

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re DIVISIONAL application of)
Yukio TANAKA et al.)
Based on Serial No. 10/295,886) Group Art Unit: 2812
Filed: November 18, 2002) Examiner: S. Isaac
For: ACTIVE MATRIX TYPE)
SEMICONDUCTOR DISPLAY DEVICE)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application. Copies of the references listed are submitted herewith in accordance with 37 C.F.R. 1.98(a).

U.S. Patent Nos. 5,643,826 and 5,923,962 are in the family of Japanese Patent Laid-Open No. 07-130652.

U.S. Patent Nos. 5,247,190 and 5,399,502 and WO 90/13148 are in the family of Japanese Patent Laid-Open No. 10-092576.

U.S. Patent No. 5,648,277 is in the family of Japanese Patent Laid-Open No. 07-135318.

The references listed on the attached Form PTO-1449 were cited in parent application Serial No. 10/295,886 and predecessor Application Serial No. 09/438,432 and copies of the references can be found in those applications.

Respectfully submitted,


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Reg. No. 38,285

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Based on 10/295,886
Sheet	1	of	2	Filing Date	November 18, 2002
				First Named Inventor	Yukio TANAKA, et al.
				Group Art Unit	2812
				Examiner Name	Stanetta Isaac
				Attorney Docket Number	0756-7177

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,926,161		Furuhashi et al.	07/20/99	
		5,990,629		Yamada et al.	11/23/99	
		6,064,362		Brownlow et al.	05/16/00	
		5,936,598		Hayama et al.	08/10/99	
		4,770,501		Tamura et al.	09/13/98	
		5,648,793		Chen	07/15/97	
		4,866,348		Harada et al.	09/12/89	
		5,748,165		Kubota et al.	05/05/98	
		5,448,385		Deffontaines et al.	09/05/95	
		5,247,190		Friend et al.	09/21/93	
		5,399,502		Friend et al.	03/21/95	

FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
		EP	0 632 426		01/04/95		Eng.
		JP	7-130652		05/19/95		Abst.
		Pct	WO90/13148		11/01/90		Eng.
		JP	08-078329		03/22/96		Abst.
		JP	10-135468		05/22/98		Abst.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
		Hermann Schenk et al., "Polymers for Light Emitting Diodes," EuroDisplay '99 Proceedings, pp. 33-37.				
		Inui et al., "Thresholdless Antiferroelectricity in Liquid Crystals and its Application to Displays," J. Mater. Chem., 1996, 6(4), pp. 671-673.				
		Yoshida et al., "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," SID 97 DIGEST, pp. 841-844.				

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				Group Art Unit	2812
				Examiner Name	Stanetta Isaac
Sheet	2	of	2	Attorney Docket Number	0756-7177

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		5,648,277		Zhang et al.	07/15/97	
		5,643,826		Ohtani et al.	07/01/97	
		5,923,962		Ohtani et al.	07/13/99	
		5,594,569		Konuma et al.	01/14/97	
		6,335,290		Ishida	01/01/02	
		6,346,717		Kawata	02/12/02	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴ (if known)				
		JP	10-135469		05/22/98		Abst.
		JP	10-092576		04/10/98		Abst.
		JP	10-270363		10/09/98		Abst.
		JP	10-247735		09/14/98		Abst.
		JP	07-135318		05/23/95		Abst.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

EXAMINER'S SIGNATURE - NON-PATENT INFORMATION DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Furue et al., "Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID 98 DIGEST, pp. 782-785.	

Examiner Signature		Date Considered	
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